

**METHOD AND APPARATUS FOR A DATA BRIDGE
IN A COMPUTER SYSTEM**

ABSTRACT OF THE DISCLOSURE

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A configurable register method and structure included configuration logic to form a register value. A data bridge system, for connecting an interface of a computer system to a plurality of application-specific integrated circuits (ASIC), has a data bridge operatively coupled between the computer interface and the plurality of ASICs that
10 employs the configurable registers. The data bridge has a read only memory for storing at least the initial values and mask values for each ASIC of the plurality of ASICs. The data bridge upon initialization forms base address registers and other configuration data that are queried by the computer system. When the ASICs are graphic processors, the initial values and the mask values stored in the read only memory define the base
15 address registers in the data bridge as a function of the configuration requirements of the graphic processors. The base address registers are thus programmable as a function of the initial values and mask values in the read only memory. The read only memory is coupled to the data bridge.